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TEXTILE ORGANON

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Highlights

- 1987 Per Capita Consumption Review... begins on page 83.
- May 1988 Capacity Survey Analysis... begins on page 88.
- Quarterly Man-Made Fiber Data...begin on page 94.

SHIPMENTS:

In April, total U.S. man-made fiber shipments were 761.5 million pounds. That quantity represents a decline of 17.8 million pounds or 2.3% from March, but a gain of 14.9 million pounds or 2.0% over the previous April.

Shipments of polyester industrial and textile yarn and polyester staple were all above their March levels, for a total polyester gain of 19.5 million pounds. However, polyester textile yarn shipments are below the level of the previous April and for the year to date.

Contributing to the decline in total shipments since March were a drop of 12.4 million pounds for nylon staple, of 10.0 million pounds for acrylic+modacrylic and 4.5 million pounds for nylon carpet yarn.

Total shipments are ahead 2.7% for the year to date, with gains for cellulosic fiber and noncellulosic yarn. Noncellulosic staple shipments are behind for the year to date.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1988 APR	1988 MAR	% CHG 3/88-4/88	1987 APR	% CHG 4/87-4/88	YEAR TO DATE 1988	YEAR TO DATE 1987	% CHG YTD 1987-1988
CELLULOSIC								
YARN	19.4	18.1	*+7.2*	16.5	*+17.6*	69.5	60.7	*+14.5*
RAYON STAPLE	35.5	38.5	*-7.8*	33.2	*+6.9*	142.5	133.1	*+7.1*
TOTAL CELLULOSIC	**54.9**	**56.6**	*-3.0*	**49.7**	*+10.5*	**212.0**	**193.8**	*+9.4*
NONCELLULOSIC								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	32.2	34.8	*-7.5*	29.5	*+9.2*	126.6	123.9	*+2.2*
- CARPET	80.1	84.6	*-5.3*	76.9	*+4.2*	318.0	309.5	*+2.7*
- TEXTILE [a]	31.7	34.5	*-8.1*	32.1	*-1.2*	127.4	126.5	*+0.7*
POLYESTER - INDUSTRIAL	31.3	30.7	*+2.0*	27.7	*+13.0*	117.8	111.3	*+5.8*
- TEXTILE [a]	73.0	67.7	*+7.8*	75.7	*-3.6*	272.0	275.3	*-1.2*
OLEFIN	100.0	102.4	*-2.3*	88.9	*+12.5*	401.0	353.1	*+13.6*
TOTAL YARN	**348.3**	**354.7**	*-1.8*	**330.8**	*+5.3*	**1362.8**	**1299.6**	*+4.9*
STAPLE+TOW+FIBERFILL								
NYLON	71.0	83.4	*-14.9*	88.7	*-20.0*	314.1	340.3	*-7.7*
ACRYLIC+MODACRYLIC	45.4	55.4	*-18.1*	51.2	*-11.3*	202.1	205.3	*-1.6*
POLYESTER	212.1	198.5	*+6.9*	195.1	*+8.7*	803.4	777.7	*+3.3*
OLEFIN	29.8	30.7	*-2.9*	31.1	*-4.2*	119.2	119.1	*+0.1*
TOTAL STAPLE	**358.3**	**368.0**	*-2.6*	**366.1**	*-2.1*	**1438.8**	**1442.4**	*-0.2*
TOTAL NONCELLULOSIC	**706.6**	**722.7**	*-2.2*	**696.9**	*+1.4*	**2801.6**	**2742.0**	*+2.2*
TOTAL MAN-MADE FIBER	**761.5**	**779.3**	*-2.3*	**746.6**	*+2.0*	**3013.6**	**2935.8**	*+2.7*

a. Includes low denier industrial yarn.

MAY 1988

Textile Organon

A Monthly Review

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1987 PER CAPITA CONSUMPTION REVIEW

Per capita consumption of all fibers grew to 69.1 pounds in 1987, a gain of 7.1% over the level of the previous year. In five years since the recession year of 1982, per capita consumption has grown 47.6%.

In one year the average consumption per person of man-made fiber increased 1.3 pounds to reach 41.2 pounds. Consumption of cotton rose 3.3 pounds to total 23.7 pounds per person. Wool consumption fell 0.1 pounds per person to 1.7 pounds, while per capita consumption of other fibers gained 0.1 pounds to reach 2.5 pounds. (See Table 4)

In the ten years since 1977, the U.S. population has grown 10.8%. At the same time, the per capita GNP has increased 16.6% (in constant 1982 dollars), per capita consumption of all fibers has grown 16.9% and per capita consumption of man-made fiber has increased 9.9%. (See Table 6)

TABLE & GRAPH SUMMARY

The tables and graphs contained in this review are described as follows:

Table 2: Per capita GNP derived by dividing the annual Gross National Product data by the population July 1st.

Table 3: Total U.S. domestic fiber consumption from the April Textile Organon, page 75.

Table 4: Domestic consumption data in Table 3 divided by July 1st population data.

Table 5: Summary of total mill consumption of all fibers, except textile glass.

Table 6: Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various fibers.

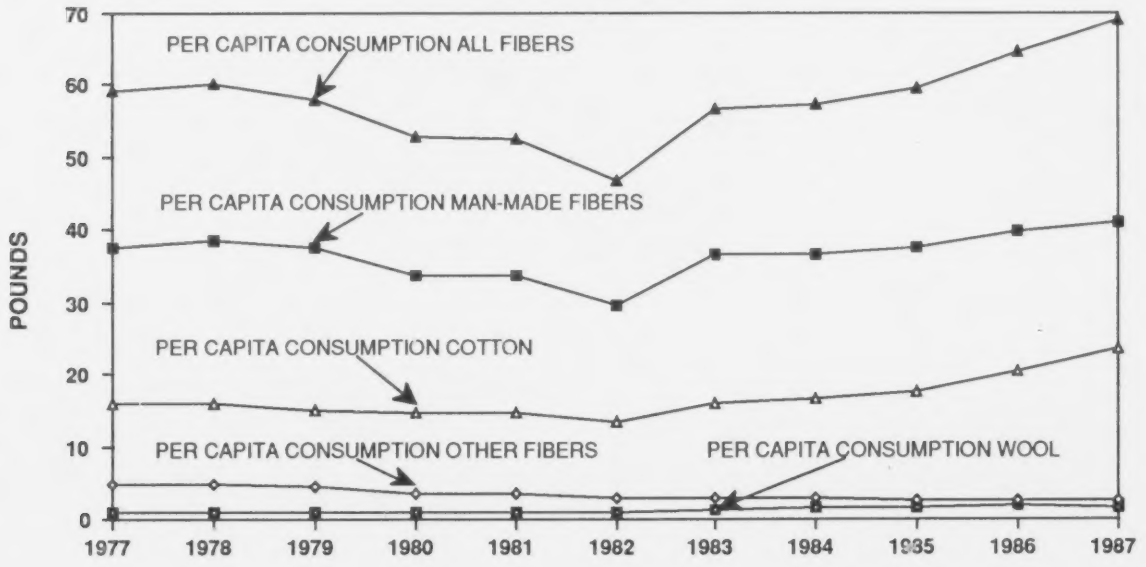
Table 7: Summary of the raw fiber equivalent of the U.S. imports of semimanufactured and manufactured products.

Table 8: Listing of imports in per capita terms and their percentage growth over time for comparison with overall per capita domestic consumption.

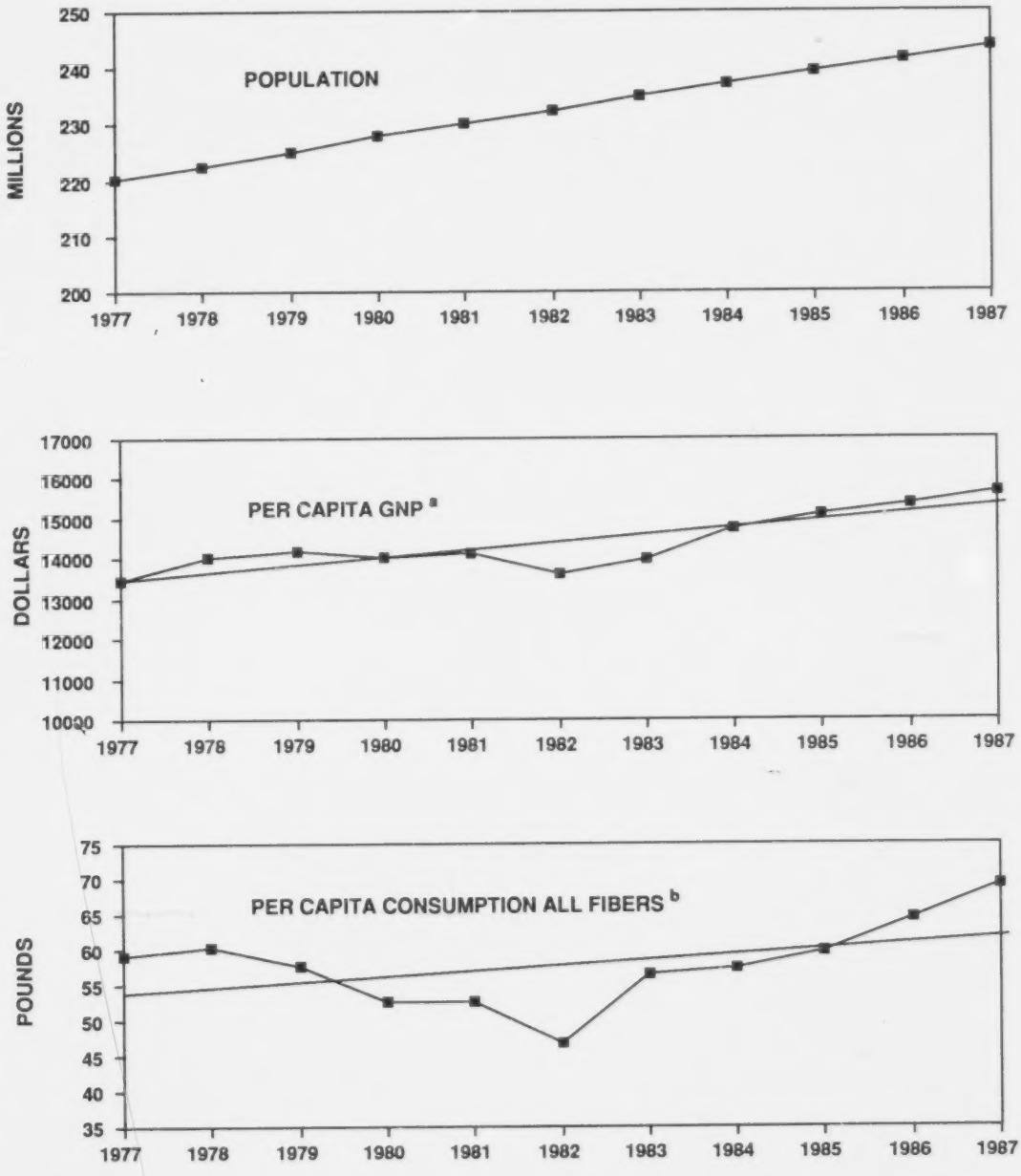
Graph 1: Per capita consumption of all fibers, based on the data in Table 4.

Graph 2: Growth in the population and trends in per capita GNP and per capita consumption of all fibers, as shown in Tables 2 and 4.

GRAPH 1:
PER CAPITA CONSUMPTION



GRAPH 2:
COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF ALL FIBERS



a. In 1982 dollars.
b. Data on Glass Fiber are no longer available to prevent company level disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 2:
U.S. POPULATION, GROSS NATIONAL PRODUCT & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION[a]	GNP[b]	PER CAPITA GNP[c]
1977	220.2	2958.6	13436
1978	222.6	3115.2	13995
1979	225.1	3192.4	14182
1980	227.8	3187.1	13991
1981	230.1	3248.8	14119
1982	232.5	3166.0	13617
1983	234.8	3275.2	13949
1984	237.0	3492.0	14734
1985	239.3	3607.5	15075
1986	241.6	3713.3	15370
1987	243.9	3820.3	15663

SOURCE: Current Population Reports, U.S. Dept. of Commerce Bureau of the Census.
Survey of Current Business, U.S. Dept. of Commerce Bureau of Economic Analysis.

a. In millions. Population data for all years have been changed to that of July 1.
b. In billions of 1982 dollars.
c. In dollars.

TABLE 3:
U.S. TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MAN-MADE FIBER[a]	COTTON	WOOL	OTHER FIBERS	TOTAL
1977	8259.2	3469.7	208.3	1071.4	13008.6
1978	8541.9	3530.1	222.2	1086.1	13380.3
1979	8451.8	3334.5	201.0	1021.9	13009.2
1980	7654.8	3352.2	199.1	807.0	12013.1
1981	7722.9	3325.4	234.0	794.7	12077.0
1982	6912.9	3122.7	218.8	648.4	10902.8
1983	8603.2	3711.5	300.7	690.3	13305.7
1984	8644.2	3929.2	361.4	680.1	13614.9
1985	9027.4	4212.0	381.7	646.9	14268.0
1986	9637.6	4937.4	424.1	582.4	15581.5
1987	10057.4	5780.5	420.3	603.5	16861.7

a. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 4:
U.S. PER CAPITA FIBER CONSUMPTION[a]
POUNDS

		PER CAPITA				
PERIOD	POPULATION	MAN-MADE FIBER[b]	COTTON	WOOL	OTHER FIBERS	TOTAL
1977	220.2	37.5	15.8	0.9	4.9	59.1
1978	222.6	38.4	15.9	1.0	4.9	60.2
1979	225.1	37.5	14.8	0.9	4.5	57.7
1980	227.8	33.6	14.7	0.9	3.5	52.7
1981	230.1	33.6	14.5	1.0	3.5	52.6
1982	232.5	29.7	13.4	0.9	2.8	46.8
1983	234.8	36.6	15.8	1.3	2.9	56.6
1984	237.0	36.5	16.6	1.5	2.9	57.5
1985	239.3	37.7	17.6	1.6	2.7	59.6
1986	241.6	39.9	20.4	1.8	2.4	64.5
1987	243.9	41.2	23.7	1.7	2.5	69.1

a. Based on total U.S. domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products).
b. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 5:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	COTTON	WOOL	OTHER FIBERS	TOTAL
1977	0.6	0.3	2.3	3.6	0.7	0.6	3.2	0.1	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	3.0	0.1	0.2	11.7
1979	0.5	0.3	2.7	3.7	0.6	0.7	3.1	0.1	0.2	11.9
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	0.1	11.2
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	0.1	10.7
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	0.1	9.4
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	0.1	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	0.1	10.7
1985	0.5[d]		2.5	3.1	0.5	1.5	2.8	0.1	0.1	11.1
1986	0.6[d]		2.5	3.2	0.6	1.5	3.3	0.2	0.1	12.0
1987	0.6[d]		2.7	3.5	0.5	1.6	3.7	0.2	0.1	12.9

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.
b. Includes Aramid for all years except 1983-1987.
c. Includes modacrylic.
d. Rayon and acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON, WOOL & OTHER FIBERS

YEAR	POPULATION	% [a]	% [b]	PER CAPITA GNP	% [a]	% [b]	PER CAPITA CONSUMPTION: MAN-MADE FIBER [c]	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	OTHER FIBERS	% [a]	% [b]	ALL FIBERS	% [a]	% [b]
1977	220.2			13436			37.5			15.8			0.9			4.9			59.1		
1978	222.6	+1.1	+1.1	13995	+4.2	+4.2	38.4	+2.4	+2.4	15.9	+0.6	+0.6	1.0	+11.1	+11.1	4.9	--	--	60.2	+1.9	+1.9
1979	225.1	+1.1	+2.2	14182	+1.3	+5.6	37.5	-2.3	--	14.8	-6.9	-6.3	0.9	-10.0	--	4.5	-8.2	-8.2	57.7	-4.2	-2.4
1980	227.8	+1.2	+3.5	13991	-1.3	+4.1	33.6	-10.4	-10.4	14.7	-0.7	-7.0	0.9	--	--	3.5	-22.2	-28.6	52.7	-8.7	-10.8
1981	230.1	+1.0	+4.5	14119	+0.9	+5.1	33.6	--	-10.4	14.5	-1.4	-8.2	1.0	+11.1	+11.1	3.5	--	-28.6	52.6	-0.2	-11.0
1982	232.5	+1.0	+5.6	13617	-3.6	+1.3	29.7	-11.6	-20.8	13.4	-7.6	-15.2	0.9	-10.0	--	2.8	-20.0	-42.9	46.8	-11.0	-20.8
1983	234.8	+1.0	+6.6	13949	+2.4	+3.8	36.6	+23.2	-2.4	15.8	+17.9	--	1.3	+44.4	+44.4	2.9	+3.6	-40.8	56.6	+20.9	-4.2
1984	237.0	+0.9	+7.6	14734	+5.6	+9.7	36.5	-0.3	-2.7	16.6	+5.1	+5.1	1.5	+15.4	+66.7	2.9	--	-40.8	57.5	+1.6	-2.7
1985	239.3	+1.0	+8.7	15075	+2.3	+12.2	37.7	+3.3	+0.5	17.6	+6.0	+11.4	1.6	+6.7	+77.8	2.7	-6.9	-44.9	59.6	+3.7	+0.8
1986	241.6	+1.0	+9.7	15370	+2.0	+14.4	39.9	+5.8	+6.4	20.4	+15.9	+29.1	1.8	+12.5	+100.0	2.4	-11.1	-51.0	64.5	+8.2	+9.1
1987	243.9	+1.0	+10.8	15663	+1.9	+16.6	41.2	+3.3	+9.9	23.7	+16.2	+50.0	1.7	-5.6	+88.9	2.5	+4.2	-49.0	69.1	+7.1	+16.9

Population is in millions of people.
Per Capita GNP is 1982 dollars.
All other Per Capita Consumption data are in pounds.
All data are taken from the tables on page 85.

a. Percent change year to year.
b. Percent change since 1977.
c. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 7:
RAW FIBER EQULIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS

	MAN-MADE FIBER						COTTON						WOOL					
	1982	1983	1984	1985	1986	1987	1982	1983	1984	1985	1986	1987	1982	1983	1984	1985	1986	1987
IMPORTS																		
SEMIMANUFACTURED PRODUCTS																		
YARN, THREAD, ETC	38.2	58.0	71.0	74.7	96.3	91.9	28.5	42.1	54.6	56.3	105.9	134.5	7.7	7.6	16.3	14.1	13.7	14.6
CLOTH	105.7	138.0	170.4	129.1	245.0	211.7	266.5	346.3	450.8	421.2	532.9	649.9	25.6	28.1	39.0	36.4	25.9	29.5
SUBTOTAL	**143.9**	**196.0**	**241.4**	**203.8**	**341.3**	**303.6**	**295.0**	**388.4**	**505.4**	**477.5**	**638.8**	**784.4**	**33.3**	**35.7**	**55.3**	**50.5**	**39.6**	**44.1**
MANUFACTURED PRODUCTS																		
WEARING APPAREL	486.5	576.0	688.9	798.1	929.4	1033.2	510.5	622.8	759.5	895.5	1016.0	1265.6	46.4	58.8	80.8	137.0	155.6	158.9
INDUSTRIAL	1.1	1.3	0.4	0.9	2.7	5.6	10.0	14.3	37.6	32.4	46.4	53.2	NOMINAL QUANTITIES INCLUDED IN OTHER					
HOME FURNISHINGS	66.5	296.1	411.3	394.2	429.2	462.6	67.0	78.0	138.9	169.7	182.9	205.2	19.6	34.8	52.1	60.8	62.9	53.1
ALL OTHER							14.7	31.9	23.4	38.6	26.4	27.3	0.8	2.6	1.2	0.6	2.4	2.2
SUBTOTAL	**554.1**	**873.4**	**1100.6**	**1193.2**	**1361.3**	**1501.4**	**602.2**	**747.0**	**959.4**	**1136.2**	**1271.7**	**1551.3**	**66.8**	**96.2**	**134.1**	**198.4**	**220.9**	**214.2**
TOTAL IMPORTS	**698.0**	**1069.4**	**1342.0**	**1397.0**	**1702.6**	**1805.0**	**897.2**	**1135.4**	**1464.8**	**1613.7**	**1910.5**	**2335.7**	**100.1**	**131.9**	**189.4**	**248.9**	**260.5**	**258.3**

All of this data has been taken from the March 1988 *Textile Organon* issue, page 54.

TABLE 8:
PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES COMPARED WITH PER CAPITA TOTAL CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL
POUNDS & *PERCENT*

	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MAN-MADE FIBER					COTTON					WOOL										
YEAR	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	MAN-MADE FIBER[c]	%[a]	COTTON	%[a]	WOOL	%[a]
1979	2.3		1.6		*69.6*	3.3		1.9		*57.6*	0.4		0.2		*50.0*	37.5		14.8		0.9	
1980	2.4	*+4.3*	1.7	*+6.2*	*70.8*	3.6	*+9.1*	2.0	*+5.3*	*55.6*	0.4	--	0.2	--	*50.0*	33.6	*-10.4*	14.7	*-0.7*	0.9	--
1981	2.8	*+16.7*	1.9	*+11.8*	*67.9*	4.2	*+16.7*	2.2	*+10.0*	*52.4*	0.4	--	0.2	--	*50.0*	33.6	--	14.5	*-1.4*	1.0	*+11.1*
1982	3.0	*+ 7.1*	2.1	*+10.5*	*70.0*	3.9	*-7.1*	2.2	--	*56.4*	0.4	--	0.2	--	*50.0*	29.7	*-11.6*	13.4	*-7.6*	0.9	*-10.0*
1983	4.6	*+53.3*	2.5	*+19.0*	*54.3*	4.8	*+23.1*	2.7	*+22.7*	*56.3*	0.6	*+50.0*	0.3	*+50.0*	*50.0*	36.6	*+23.2*	15.8	*+17.9*	1.3	*+44.4*
1984	5.7	*+23.9*	2.9	*+16.0*	*50.9*	6.2	*+29.2*	3.2	*+18.5*	*51.6*	0.8	*+33.3*	0.3	--	*37.5*	36.5	*-0.3*	16.6	*+5.1*	1.5	*+15.4*
1985	5.8	*+1.8*	3.3	*+13.8*	*56.9*	6.7	*+8.1*	3.7	*+15.6*	*55.2*	1.0	*+25.0*	0.6	*+100.0*	*60.0*	37.7	*+3.3*	17.6	*+6.0*	1.6	*+6.7*
1986	7.0	*+20.7*	3.8	*+15.2*	*54.3*	7.9	*+17.9*	4.2	*+13.5*	*53.2*	1.1	*+10.0*	0.6	--	*54.5*	39.9	*+5.8*	20.4	*+15.9*	1.8	*+12.5*
1987	7.4	*+5.7*	4.2	*+10.5*	*56.8*	9.6	*+21.5*	5.2	*+23.8*	*54.2*	1.1	--	0.7	*+16.7*	*63.6*	41.2	*+3.3*	23.7	*+16.2*	1.7	*-5.6*

a. Percent change from previous year.
b. Apparel as percent of total imports of semimanufactured and manufactured products.
c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

MAY 1988 CAPACITY SURVEY ANALYSIS

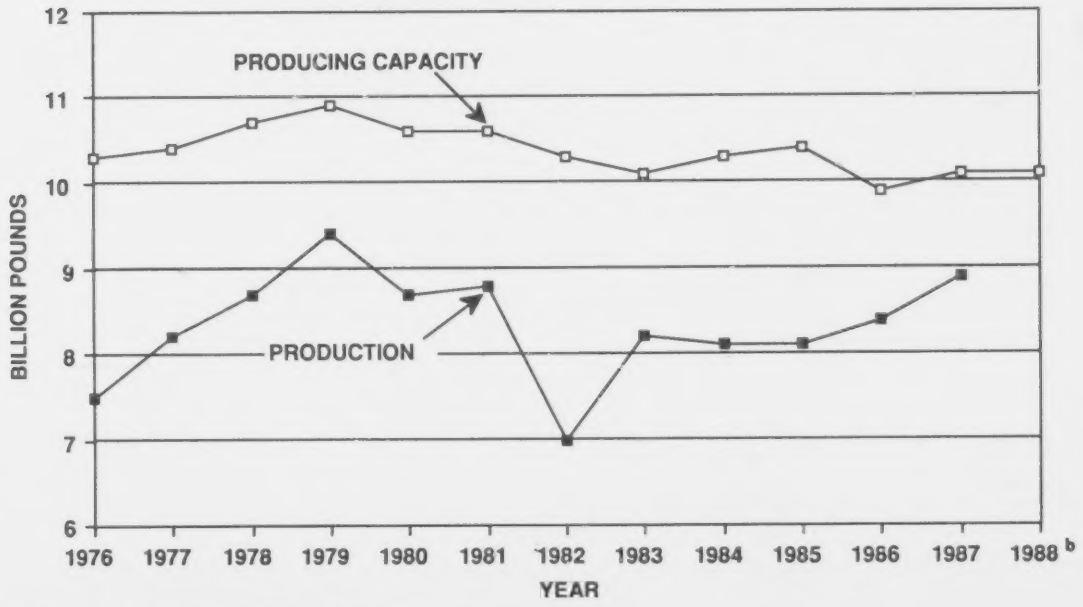
Since the November 1987 Survey, the total man-made fiber producing capacity (excluding textile glass) increased by 49 million pounds or 0.5% to reach 10,138 million pounds. Most of the increase was in capacity for noncellulosic fiber, as cellulosic fiber capacity increased 4 million pounds to reach 713 million pounds. (See Table 9)

Since the November 1987 Survey, noncellulosic filament capacity increased 44 million pounds to reach 4,631 million pounds. Within this category, olefin yarn capacity increased 32 million pounds, while nylon textile yarn capacity increased 9 million pounds and nylon carpet yarn capacity increased 5 million pounds. (See Table 10)

In the same period, producing capacity for noncellulosic staple+tow was virtually unchanged at 4,794 million pounds. The capacity for polyester increased 22 million pounds, while the capacities for acrylic+modacrylic dropped 15 million pounds and nylon decreased by 5 million pounds.

Total man-made fiber production has increased from 8,216 million pounds in 1977, to 8,921 million pounds in 1987. This production increase includes a gain of 859 million pounds for olefin, for uses primarily other than in apparel. Producing capacity for total fibers has decreased from 10,431 million pounds per year in November 1977 to 10,138 million pounds per year in the May 1988 Survey. (See Graph 3)

GRAPH 3:
MAN-MADE FIBER INDUSTRY PRODUCTION & PRODUCING CAPACITY [a]



a. Cellulosic and noncellunosic fiber excluding textile glass.
b. Based on May 1988 capacity survey.

TABLE 9:
U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

PERIOD	CELLULOSIC FIBERS							NONCELLULOSIC FIBERS [a]			GRAND TOTAL MAN-MADE FIBERS EXCLUDING TEXTILE GLASS			NON-ADD TEXTILE GLASS FIBER [d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO [c]	STAPLE +TOW	TOTAL	
	RAYON	ACETATE [b]	TOTAL	RAYON	ACETATE [b]	TOTAL								
ACTUAL ANNUAL PRODUCTION														
1976	68	287	355	475	11	486	841	3306	3320	6626	3661	3806	7467	676
1977	71	282	353	527	8	535	888	3674	3654	7328	4027	4189	8216	787
1978	62	301	363	535	7	542	905	3830	3953	7783	4193	4495	8688	923
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
1987			191 g			414 g	605	4010	4306	8316	4201	4722	8921	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -														
NOV 1976 e	85	399	484	691	18	709	1193	4878	4254	9132	5362	4963	10325	903
NOV 1977 e	85	315	400	655	8	663	1063	4974	4394	9368	5374	5057	10431	1002
NOV 1978 e	83	330	413	665	8	673	1086	5000	4571	9571	5413	5244	10657	1118
NOV 1979 e	75	355	430	671	8	679	1109	5126	4678	9804	5556	5357	10913	1305
NOV 1980 e	63	324	387	514	8	522	909	4933	4714	9647	5320	5236	10556	1473
NOV 1981 e	52	332	384	509	5	514	898	4766	4950	9716	5150	5464	10614	1561
NOV 1982 e	63	318	381	510	4	514	895	4583	4781	9364	4964	5295	10259	1718
NOV 1983 e	63	268	331	510	4	514	845	4477	4827	9304	4808	5341	10149	1618
NOV 1984 e	63	268	331	510	4	514	845	4509	4981	9490	4840	5495	10335	1743
NOV 1985 e			269 g	510	5	515	784	4698	4890	9588	4967	5405	10372	1769
NOV 1986 e			244 g			465 g	709	4575	4662	9237	4819	5127	9946	1763
NOV 1987 e			244 g			465 g	709	4587	4793	9380	4831	5258	10089	1642
MAY 1988 e			244 g			469 g	713	4631	4794	9425	4875	5263	10138	1691
NOV 1988 f			244 g			469 g	713	4787	4841	9628	5031	5310	10341	1715
MAY 1989 f			244 g			469 g	713	4875	4911	9786	5119	5380	10499	1712
NOV 1989 f			244 g			469 g	713	4924	4936	9860	5168	5405	10573	1716
MAY 1990 f			244 g			469 g	713	4978	4976	9954	5222	5445	10667	1868

NA No longer available.

a. Included are those listed in the November ***Textile Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding textile glass fiber.

d. Textile glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of NOV 1988.

g. Detail withheld due to disclosure of company data.

TABLE 10:
NONCELLULOSIC FIBER CAPACITY DETAIL
MILLION POUNDS & *AVERAGE DENIER*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLU-LOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN [a]					NYLON + ARAMID	ACRYL +MOD ACRYL	POLY-ESTER	OLEFIN + VINYON [f]	TOTAL	
			TEXTILE			TEXTILE												
PERIOD	IND	CARP	LBS	DEN	IND	LBS	DEN	YARN	MONO [b]	FILM [b]	OTHER [c]	TOTAL						
NOV 1976 [d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977 [d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978 [d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979 [d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980 [d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981 [d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982 [d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983 [d]	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
NOV 1984 [d]	437	926	470	*57*	342	1162	*121*	270	386	486	30	4509	1054	807	2784	336	4981	9490
NOV 1985 [d]	437	965	466	*53*	374	1097	*126*	304	412	613	30	4698	1067	631	2785	407	4890	9588
NOV 1986 [d]	435	964	398	*51*	401	1021	*123*	286	407	633	30	4575	1077	637	2491	457	4662	9237
NOV 1987 [d]	418	1005	404	*49*	399	929	*121*	342	393	667	30	4587	1137	652	2522	482	4793	9380
MAY 1988 [d]	419	1012	413	*48*	396	928	*139*	374	392	667	30	4631	1132	637	2544	481	4794	9425
NOV 1988 [e]	420	1065	428	*48*	412	928	*139*	408	404	692	30	4787	1158	642	2551	490	4841	9628
MAY 1989 [e]	420	1101	428	*48*	417	928	*139*	442	416	693	30	4875	1163	642	2616	490	4911	9786
NOV 1989 [e]	420	1127	433	*48*	418	928	*139*	459	416	693	30	4924	1168	642	2616	510	4936	9860
MAY 1990 [e]	420	1137	438	*47*	418	928	*139*	498	416	693	30	4978	1173	647	2616	540	4976	9954

NOTE: As of the November 1983 survey, nylon capacity data no longer include Aramid Fiber.
IND Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.
CARP Bulked continuous filament yarn for carpets.
TEXTILE Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.
b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.
c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.
d. Actual producing capacity as of date shown.
e. Future producing capacity planned for certain dates as of NOV 1988.
f. Data since November 1986 do not include Vinyon.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table above cover the man-made fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data were last published in the December 1984 issue.** The "capacity" to produce waste is **not** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is **emphasized** that all figures refer to ***current*** and ***planned*** capacity. **They are not to be interpreted as a production forecast.**

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential***, rather than ***operating*** capacity.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	0										0	138
BRAZIL	54	0	28										82	115
CANADA	426	481	507										1414	968
GERMANY, FED. REP.	353	635	281										1269	1232
JAPAN	277	131	45										453	258
MEXICO	62	53	18										133	28
NETHERLANDS	190	229	228										647	249
ALL OTHER COUNTRIES [a]	11	1	21										33	5
TOTAL CELLULOSIC YARN	**1373**	**1530**	**1128**										**4031**	**2993**
CELLULOSIC STAPLE+TOW														
CANADA	1086	774	974										2834	3293
ITALY	34	73	19										126	147
JAPAN	99	0	91										190	395
SWEDEN	0	41	45										86	43
UNITED KINGDOM	57	0	79										136	124
ALL OTHER COUNTRIES [b]	28	0	10										38	67
TOTAL CELLULOSIC STAPLE+TOW	**1304**	**888**	**1218**										**3410**	**4069**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1436	1117	1665										4218	3344
CANADA	1448	1872	2140										5460	4479
CHINA, PRC	0	10	1										11	94
COSTA RICA	606	570	382										1558	1886
DENMARK	0	0	0										0	93
FRANCE	767	588	716										2071	2030
GERMANY, FED. REP.	1074	1355	1522										3951	6562
IRELAND	37	34	74										145	139
ISRAEL	388	309	118										815	485
ITALY	761	811	177										1749	3360
JAPAN	648	212	443										1303	2232
KOREA, REP. OF	3	23	33										59	84
MEXICO	1428	2004	1308										4740	5731
NETHERLANDS	49	42	26										117	428
SINGAPORE	81	41	44										166	139
SWITZERLAND	32	0	5										37	319
TAIWAN	12	26	12										50	116
UNITED KINGDOM	676	753	146										1575	2175
ALL OTHER COUNTRIES [c]	172	234	201										607	412
TOTAL NONCELLULOSIC YARN	**9618**	**10001**	**9013**										**28632**	**34108**
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	601	727	752										2080	209
BELGIUM	35	0	18										53	75
BRAZIL	0	0	0										0	674
CANADA	2003	2183	2981										7167	9397
FRANCE	934	799	800										2533	2075
GERMANY, FED. REP.	2738	3040	2503										8281	7139
IRELAND	80	123	162										365	109
ISRAEL	8	0	0										8	93
ITALY	130	362	145										637	6153
JAPAN	1963	2057	1894										5914	5661
KOREA, REP. OF	1355	1516	1456										4327	2537
MALAYSIA	0	95	48										143	143
MEXICO	303	549	210										1062	4602
ROMANIA	448	0	86										534	1020
SWITZERLAND	102	21	153										276	421
TAIWAN	1986	1109	1425										4520	4808
UNITED KINGDOM	1604	1503	2175										5282	3579
ALL OTHER COUNTRIES [d]	52	30	48										130	172
TOTAL NONCELLULOSIC STAPLE+TOW	**14342**	**14114**	**14856**										**43312**	**48867**

\+ Less than 1 thousand pounds.

a. Singapore 18, Korea, Rep. of 11, Italy 2, Taiwan 1, United Kingdom 1, France.

b. Australia 25, France 10, Germany, Fed. Rep. of 2, Belgium 1.

c. Spain 146, Chile 111, Romania 110, Sweden 102, Australia 52, Argentina 42,Turkey 30, Brazil 7, Austria 6, Vatican City 1, Greece, India.

d. Australia 74, Hong Kong 25, Netherlands 20, Spain 7, Egypt 3, Portugal 1, Philippines.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC FIBER															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	0	+	0										+	168
OTHER	310.0130 & .0230[a]	1362	1468	1021										3851	2819
MONOFILAMENTS	309.0310 & .0610	0	+	0										+	5
STRIPS, $1/LB & UNDER	309.2000*	11	62	107										180	1
SUBTOTAL ABOVE		**1373**	**1530**	**1128**										**4031**	**2993**
STAPLE	309.4320 & .4325	1182	890	1107										3179	3838
GROUPED FILAMENTS	309.3010 & .3310	122	0	111										233	231
SUBTOTAL ABOVE		**1304**	**890**	**1218**										**3412**	**4069**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	0	+	0										+	0
NONCELLULOSIC FIBER															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450 DENIER	310.0107 & .0207	341	297	204										842	418
DENIER AND OVER	310.0108 & .0208	1503	1643	1531										4677	8694
- POLYESTER	310.0110 & .0210	989	1368	1024										3381	4913
- OTHER	310.0114 & .0214	2158	1830	2815										6803	5282
OTHER - NYLON	310.0149 & .0249	1154	1567	1602										4323	6479
- POLYESTER	310.0150 & .0250	2153	1631	332										4116	5333
- OTHER	310.0170 & .0270[b]	762	1085	876										2723	1541
MONOFILAMENTS	309.0200 & .0330[c]	381	384	307										1072	818
STRIPS, OVER $1/LB	309.2100 & .2500*	177	196	322										695	630
SUBTOTAL ABOVE		**9618**	**10001**	**9013**										**28632**	**34108**
STAPLE - NYLON	309.4331 & .4351	1696	1306	1915										4917	14809
- POLYESTER	309.4336 & .4361	4653	5670	4716										15039	15487
- ACRYLIC	309.4366	1214	953	1179										3346	3257
- OLEFIN	309.4371	83	104	534										721	197
- OTHER	309.4341 & .4390	1350	1625	1750										4725	2616
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3713	2877	3289										9879	7918
POLYESTER	309.3040 & .3340	441	215	65										721	1087
ACRYLIC	309.3050 & .3350	1066	1331	1249										3666	3078
OTHER	309.3065 & .3365	106	33	159										298	418
SUBTOTAL ABOVE		**14342**	**14114**	**14856**										**43312**	**48867**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2940	1991	1933										6864	7561
- POLYESTER	309.6630	550	487	1073										2110	3375
- ACRYLIC	309.6645	0	0	21										21	73
- OTHER	309.6660	221	273	392										886	1743
NOILS & GARNETTED FIBERS	309.7000*	80	0	0										80	0
OTHER WASTE, ADVANCED	309.7525 - .7555	596	596	637										1829	262
SUBTOTAL ABOVE		**4387**	**3347**	**4056**										**11790**	**13014**
TOTAL MAN-MADE ABOVE		**31024**	**29882**	**30271**										**91177**	**103051**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+										+	+
- NONCELLULOSIC	310.1015[d]& .1205[e]	340	110	184										634	1007
OTHER - CELLULOSIC	310.1030 & .1535[f]	15	21	5										41	170
- NONCELLULOSIC	310.1050 & .1070[g]	276	262	305										843	981
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	62	95	137										294	428
- OTHER	310.4015 & .4027[i]	2503	1471	1826										5800	9406
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	2122	1933	1143										5198	4795
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	607	197	1714										2518	2230
SLIVER, TOPS & ROVING	309.9000	271	287	351										909	943
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2526	2716	404										5646	4952
GRAND TOTAL ABOVE		**39746**	**36974**	**36340**										**113060**	**127963**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

\+ Less than 1 thousand pounds.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBER
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC FIBER															
FILAMENT YARN [a]															
TEXTURED	310.0004	27	2	6										35	244
OTHER [b]	310.0026	683	991	556										2230	1479
MONOFILAMENTS	309.0110	89	36	5										130	0
STRIPS	309.2210	0	23	0										23	42
SUBTOTAL ABOVE		**799**	**1052**	**567**										**2418**	**1765**
STAPLE+TOW-RAYON	309.4222	1019	1907	1702										4628	8769
STAPLE-ACETATE	309.4219	89	66	309										464	301
SUBTOTAL ABOVE		**1108**	**1973**	**2011**										**5092**	**9070**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**143**	**251**	**198**										**592**	**447**
NONCELLULOSIC FIBER															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	3651	4775	4929										13355	7661
- HIGH TENACITY [c]	310.0027	8372	8470	8040										24882	19086
- OTHER	310.0029	786	1111	2189										4086	1925
POLYESTER - TEXTURED	310.0010	1739	2796	3405										7940	8245
- HIGH TENACITY [c]	310.0032	1421	1817	2189										5427	5912
- OTHER [d]	310.0034	207	225	265										697	545
OTHER - TEXTURED	310.0014	1067	1904	2220										5191	3941
- OLEFIN	310.0040	83	626	121										830	162
- OTHER	310.0044	360	729	886										1975	1620
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	658	728	515										1901	1744
POLYESTER	309.0140	1641	1789	2345										5775	1369
OTHER	309.0170	680	901	768										2349	1845
STRIPS	309.2220 & .2270	415	192	277										884	1153
SUBTOTAL ABOVE		**21080**	**26063**	**28149**										**75292**	**55208**
STAPLE - NYLON	309.4240	2423	1511	1760										5694	6432
- POLYESTER	309.4242	13519	7586	10316										31421	52413
- ACRYLIC	309.4245	17224	11389	16118										44731	10678
- OLEFIN	309.4246	1488	1604	2696										5788	6551
- OTHER	309.4247	1228	1696	3193										6117	6225
GROUPED FILAMENTS															
NYLON	309.3220	693	497	469										1659	1406
POLYESTER [d]	309.3240	2108	1330	2067										5505	5351
ACRYLIC	309.3250 & .3255	4966	3683	3809										12458	5665
SUBTOTAL ABOVE		**43649**	**29296**	**40428**										**113373**	**94721**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	685	1210	1189										3084	3259
- POLYESTER	309.7630	3959	4435	6616										15010	12782
- ACRYLIC	309.7640	312	1219	923										2454	3993
- OTHER	309.7660	3765	3582	3138										10485	10667
SUBTOTAL ABOVE		**8721**	**10446**	**11866**										**31033**	**30701**
TOTAL MAN-MADE ABOVE		**75500**	**89081**	**83219**										**227800**	**191912**
TEXTILE GLASS FIBER	309.2700 & .9700	8813	9352	9114										27279	19737
GRAND TOTAL ABOVE		**84313**	**78433**	**92333**										**255079**	**211649**

SOURCE: U.S. Census Bureau Report EM522.

+ Less than 1 thousand pounds.

a. Includes thrown, singles and plied yarn.

b. Includes rayon tire cord and cord fabric.

c. Includes noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 14:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1986 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1987 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1988 1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	54.3	54.7	54.1	51.7	214.8	46.2	46.7	45.2	53.0	191.1	49.1				
SHIPMENTS - DOMESTIC	48.6	50.4	47.7	45.4	192.1	39.2	43.6	40.2	43.8	166.8	41.4				
- EXPORT	4.7	5.1	4.9	5.5	20.2	5.0	5.9	6.1	7.9	24.9	8.7				
TOTAL SHIPMENTS	53.3	55.5	52.6	50.9	212.3	44.2	49.5	46.3	51.7	191.7	50.1				
ENDING STOCK	13.3	12.5	14.0	14.8		16.8	14.0	12.9	14.2		13.2				
IMPORTS	3.9	4.6	3.6	4.1	16.2	3.0	2.5	2.7	4.4	12.6	4.0				
TOTAL AVAILABLE	52.5	55.0	51.3	49.5	208.3	42.2	46.1	42.9	48.2	179.4	45.4				
NYLON [c]															
PRODUCTION	396.9	396.5	398.3	414.6	1606.3	414.1	427.5	432.9	422.7	1697.2	429.4				
SHIPMENTS - DOMESTIC	363.4	368.7	377.7	370.6	1480.4	389.3	394.8	405.8	364.4	1554.3	388.4				
- EXPORT	26.7	28.2	25.1	32.8	112.8	32.1	37.9	33.7	35.8	139.5	39.6				
TOTAL SHIPMENTS	390.1	396.9	402.8	403.4	1593.2	421.4	432.7	439.5	400.2	1693.8	428.0				
ENDING STOCK	126.5	126.1	121.6	132.8		125.5	120.3	113.7	136.2		137.6				
OLEFIN [a]															
PRODUCTION	245.9	255.7	259.5	296.6	1057.7	255.8	283.9	287.4	306.7	1133.8	301.6				
SHIPMENTS - DOMESTIC	241.3	258.4	257.8	291.7	1049.2	261.5	281.8	287.5	304.7	1135.5	298.3				
- EXPORT	2.4	2.9	2.6	2.6	10.5	2.7	1.7	1.8	2.1	8.3	2.7				
TOTAL SHIPMENTS	243.7	261.3	260.4	294.3	1059.7	264.2	283.5	289.3	306.8	1143.8	301.0				
ENDING STOCK	67.1	61.5	60.6	62.9		54.5	54.9	53.0	52.9		53.5				
POLYESTER															
PRODUCTION	322.2	271.5	285.5	293.5	1172.7	287.7	303.3	293.9	293.8	1178.7	284.5				
SHIPMENTS - DOMESTIC	284.8	253.5	273.7	280.4	1092.4	266.8	285.2	280.8	280.6	1113.4	266.7				
- EXPORT	21.8	23.8	14.3	17.4	77.3	16.4	18.4	15.8	16.3	66.9	18.8				
TOTAL SHIPMENTS	306.6	277.3	288.0	297.8	1169.7	283.2	303.6	296.6	296.9	1180.3	285.5				
ENDING STOCK	123.5	117.7	115.2	110.9		115.4	115.1	112.4	109.3		108.3				
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	965.0	923.7	943.3	1004.7	3836.7	957.6	1014.7	1014.2	1023.2	4009.7	1015.5				
SHIPMENTS - DOMESTIC	889.5	880.6	909.2	942.7	3622.0	917.6	961.8	974.1	949.7	3803.2	953.4				
- EXPORT	50.9	54.9	42.0	52.8	200.6	51.2	58.0	51.3	54.2	214.7	61.1				
TOTAL SHIPMENTS	940.4	935.5	951.2	995.5	3822.6	968.8	1019.8	1025.4	1003.9	4017.9	1014.5				
ENDING STOCK	317.1	305.3	297.4	306.6		295.4	290.3	279.1	298.4		299.4				
DOMESTIC SHIPMENTS	889.5	880.6	909.2	942.7	3622.0	917.6	961.8	974.1	949.7	3803.2	953.4				
IMPORTS -TEXTURED YARN [b]	17.9	19.5	20.4	24.1	81.9	19.3	15.1	17.2	16.9	68.5	15.7				
-OTHER YARN [b]	12.3	13.9	14.7	14.0	54.9	13.3	12.4	11.9	11.3	48.9	11.2				
-MONOFILAMENTS	0.8	0.6	0.5	0.8	2.7	0.8	0.9	1.0	1.1	3.8	1.8				
TOTAL IMPORTS	31.0	34.0	35.6	38.9	139.5	33.4	28.4	30.1	29.3	121.2	28.7				
TOTAL AVAILABLE	920.5	914.6	944.8	981.6	3761.5	951.0	990.2	1004.2	979.0	3924.4	982.1				
						TEXTILE GLASS FIBER									
TOTAL SHIPMENTS	330.6	352.6	333.9	322.2	1339.3	366.1	392.5	383.3	371.2	1513.1	384.2				
IMPORTS	7.9	6.0	4.4	5.4	23.7	4.9	5.6	11.3	7.6	29.4	5.6				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, .4351, .4336 & .4361.

d. Includes both rayon & acetate yarn.

e. These figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, .4341 & .4390.

f. 1987-1988 data exclude Vinyon.

TABLE 15:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1986 1ST Q	1986 2ND Q	1986 3RD Q	1986 4TH Q	1986 YEAR	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**95.1**	**99.7**	**103.4**	**105.5**	**403.7**	**101.3**	**100.5**	**103.6**	**108.4**	**413.8**	**106.6**				
SHIPMENTS - DOMESTIC	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9	102.4	383.1	101.9				
- EXPORT	6.3	6.9	7.3	10.3	30.8	8.1	8.2	12.6	3.5	32.4	5.1				
TOTAL SHIPMENTS	**97.9**	**98.9**	**102.4**	**104.6**	**403.8**	**99.9**	**99.2**	**110.5**	**105.9**	**415.5**	**107.0**				
ENDING STOCK	**19.7**	**20.5**	**21.5**	**22.4**		**23.8**	**25.1**	**18.2**	**20.7**		**20.3**				
DOMESTIC SHIPMENTS	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9	102.4	383.1	101.9				
IMPORTS FOR CONSUMPTION															
STAPLE	3.9	3.6	4.6	4.3	16.4	3.9	3.8	2.6	2.7	13.0	3.2				
GROUPED FILAMENTS	0.3	0.3	0.3	0.1	1.0	0.2	0.1	0.4	0.2	0.9	0.2				
TOTAL IMPORTS	4.2	3.9	4.9	4.4	17.4	4.1	3.9	3.0	2.9	13.9	3.4				
TOTAL AVAILABLE	**95.8**	**95.9**	**100.0**	**98.7**	**390.4**	**95.9**	**94.9**	**100.9**	**105.3**	**397.0**	**105.3**				
NYLON															
PRODUCTION	**220.5**	**207.4**	**236.1**	**244.3**	**908.3**	**247.4**	**261.0**	**252.8**	**231.2**	**992.4**	**230.9**				
SHIPMENTS-DOMESTIC	195.2	203.2	254.3	242.2	894.9	246.2	253.2	246.2	220.4	966.0	238.8				
-EXPORT	3.9	2.9	3.0	3.5	13.3	5.3	5.0	3.7	5.5	19.5	4.3				
TOTAL SHIPMENTS	**199.1**	**206.1**	**257.3**	**245.7**	**908.2**	**251.5**	**258.2**	**249.9**	**225.9**	**985.5**	**243.1**				
ENDING STOCK	**84.1**	**85.4**	**64.2**	**62.8**		**58.7**	**61.5**	**64.4**	**69.7**		**57.5**				
IMPORTS	11.9	10.6	14.9	14.6	52.0	14.8	8.7	8.6	6.9	39.0	4.9				
TOTAL AVAILABLE	**207.1**	**213.8**	**269.2**	**256.8**	**946.9**	**261.0**	**261.9**	**254.8**	**227.3**	**1005.0**	**243.7**				
ACRYLIC+MODACRYLIC															
PRODUCTION	**149.0**	**151.1**	**158.0**	**157.8**	**615.9**	**155.7**	**159.0**	**135.3**	**141.5**	**591.5**	**148.8**				
SHIPMENTS-DOMESTIC	123.1	143.7	138.7	125.7	531.2	139.4	131.6	112.8	95.5	479.3	109.0				
-EXPORT	27.1	19.2	17.8	18.8	82.9	14.7	17.0	32.0	51.4	115.1	47.7				
TOTAL SHIPMENTS	**150.2**	**162.9**	**156.5**	**144.5**	**614.1**	**154.1**	**148.6**	**144.8**	**146.9**	**594.4**	**156.7**				
ENDING STOCK	**63.2**	**51.4**	**52.9**	**66.2**		**67.8**	**78.2**	**68.7**	**63.3**		**55.4**				
IMPORTS	3.2	4.0	5.3	4.9	17.4	3.3	4.1	4.6	3.7	15.7	3.3				
TOTAL AVAILABLE	**126.3**	**147.7**	**144.0**	**130.6**	**548.6**	**142.7**	**135.7**	**117.4**	**99.2**	**495.0**	**112.3**				
OLEFIN+VINYON [1]															
PRODUCTION	**82.4**	**82.3**	**84.7**	**85.9**	**335.3**	**85.5**	**92.3**	**92.1**	**90.6**	**360.5**	**94.3**				
SHIPMENTS-DOMESTIC	73.9	82.6	76.4	79.8	312.7	81.1	85.7	86.1	88.2	341.1	83.8				
-EXPORT	4.2	4.8	4.8	5.0	18.8	6.9	5.7	5.4	4.8	22.8	5.6				
TOTAL SHIPMENTS	**78.1**	**87.4**	**81.2**	**84.8**	**331.5**	**88.0**	**91.4**	**91.5**	**93.0**	**363.9**	**89.4**				
ENDING STOCK	**34.0**	**28.9**	**32.4**	**33.5**		**31.0**	**31.9**	**32.5**	**30.1**		**35.0**				
POLYESTER															
PRODUCTION	**520.8**	**538.7**	**522.1**	**550.7**	**2132.3**	**581.0**	**596.2**	**578.4**	**606.2**	**2361.8**	**592.6**				
SHIPMENTS-DOMESTIC	499.1	499.9	496.3	503.3	1998.6	534.4	549.9	537.5	579.2	2201.0	563.5				
-EXPORT	25.7	25.0	31.6	42.5	124.8	48.2	47.0	38.3	34.7	168.2	27.8				
TOTAL SHIPMENTS	**524.8**	**524.9**	**527.9**	**545.8**	**2123.4**	**582.6**	**596.9**	**575.8**	**613.9**	**2369.2**	**591.3**				
ENDING STOCK	**151.0**	**164.8**	**159.0**	**163.9**		**162.3**	**161.6**	**164.2**	**156.5**		**157.8**				
IMPORTS	9.3	8.9	8.7	13.9	40.8	15.5	17.4	23.4	14.4	70.7	15.0				
TOTAL AVAILABLE	**508.4**	**508.8**	**505.0**	**517.2**	**2039.4**	**549.9**	**567.3**	**560.9**	**593.6**	**2271.7**	**578.5**				
TOTAL NONCELLULOSIC															
PRODUCTION	**972.7**	**979.5**	**1000.9**	**1038.7**	**3991.8**	**1069.6**	**1108.5**	**1058.6**	**1069.5**	**4306.2**	**1066.6**				
SHIPMENTS-DOMESTIC	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4	982.6	983.3	3987.4	995.1				
-EXPORT	60.9	51.9	57.2	69.8	239.8	75.1	74.7	79.4	96.4	325.6	85.4				
TOTAL SHIPMENTS	**952.2**	**981.3**	**1022.9**	**1020.8**	**3977.2**	**1076.2**	**1095.1**	**1062.0**	**1079.7**	**4313.0**	**1080.5**				
ENDING STOCK	**332.3**	**330.5**	**308.5**	**326.4**		**319.8**	**333.2**	**329.8**	**319.6**		**305.7**				
DOMESTIC SHIPMENTS	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4	982.6	983.3	3987.4	995.1				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [C]	24.4	23.5	28.9	33.4	110.2	33.6	30.2	36.6	25.0	125.4	23.2				
OTHER N.C. STAPLE [D]	7.2	4.4	2.5	2.0	16.1	2.8	3.6	3.7	3.4	13.5	5.6				
GROUPED FILAMENTS	14.4	15.0	14.7	12.4	56.5	12.4	12.4	12.1	13.1	50.0	14.5				
TOTAL IMPORTS	46.0	42.9	46.1	47.8	182.8	48.8	46.2	52.4	41.5	188.9	43.3				
TOTAL AVAILABLE	**937.3**	**972.3**	**1011.8**	**998.8**	**3920.2**	**1049.9**	**1066.6**	**1035.0**	**1024.8**	**4176.3**	**1038.4**				

See footnotes on opposite page.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1988	1987
MAN-MADE FIBER TOTAL SHIPMENTS[b,c]														
CELLULOSIC														
YARN	15.9	16.1	18.1	19.4									69.5	60.7
RAYON STAPLE	32.6	35.9	38.5	35.5									142.5	133.1
TOTAL CELLULOSIC	**48.5**	**52.0**	**56.6**	**54.9**									**212.0**	**193.8**
NONCELLULOSIC														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	27.5	32.1	34.8	32.2									126.6	123.9
- CARPET	72.6	80.7	84.6	80.1									318.0	309.5
- TEXTILE[f]	30.0	31.2	34.5	31.7									127.4	126.5
POLYESTER - INDUSTRIAL[d]	26.5	29.3	30.7	31.3									117.8	111.3
- TEXTILE[f]	62.9	68.4	67.7	73.0									272.0	275.3
OLEFIN[e]	97.2	101.4	102.4	100.0									401.0	353.1
TOTAL YARN	**316.7**	**343.1**	**354.7**	**348.3**									**1362.8**	**1299.6**
STAPLE+TOW+FIBERFILL														
NYLON	78.0	81.7	83.4	71.0									314.1	340.2
ACRYLIC+MODACRYLIC	48.5	52.8	55.4	45.4									202.1	205.3
POLYESTER	190.4	202.4	198.5	212.1									803.4	777.7
OLEFIN	29.1	29.6	30.7	29.8									119.2	119.1
TOTAL STAPLE	**346.0**	**366.5**	**368.0**	**358.3**									**1438.8**	**1442.3**
TOTAL NONCELLULOSIC	**622.7**	**709.6**	**722.7**	**706.6**									**2801.6**	**2741.9**
TOTAL MAN-MADE FIBER	**711.2**	**761.6**	**779.3**	**761.5**									**3013.6**	**2935.7**
MAN-MADE FIBER END OF MONTH STOCK														
CELLULOSIC														
YARN	12.3	13.3	13.2	14.0									14.0	15.2
RAYON STAPLE	23.5	22.5	20.3	18.0									18.0	24.7
TOTAL CELLULOSIC	**35.8**	**35.8**	**33.5**	**32.0**									**32.0**	**39.9**
NONCELLULOSIC														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	26.6	25.7	23.5	23.3									23.3	29.0
- CARPET	72.0	66.5	67.0	66.5									66.5	52.4
- TEXTILE[f]	51.8	50.1	47.1	47.2									47.2	47.2
POLYESTER - INDUSTRIAL[d]	29.8	29.2	28.8	29.6									29.6	29.0
- TEXTILE[f]	82.5	81.5	79.5	77.3									77.3	83.2
OLEFIN[e]	54.4	55.0	53.5	54.1									54.1	56.3
TOTAL YARN	**317.1**	**308.0**	**299.4**	**298.0**									**298.0**	**297.1**
STAPLE+TOW+FIBERFILL														
NYLON	63.4	64.7	57.5	64.4									64.4	57.7
ACRYLIC+MODACRYLIC	62.4	58.8	55.4	57.9									57.9	70.1
POLYESTER	173.7	168.3	157.8	161.8									161.8	162.4
OLEFIN	32.5	33.7	35.0	35.8									35.8	30.3
TOTAL STAPLE	**332.0**	**325.5**	**305.7**	**319.9**									**319.9**	**320.5**
TOTAL NONCELLULOSIC	**649.1**	**633.5**	**605.1**	**617.9**									**617.9**	**617.6**
TOTAL MAN-MADE FIBER	**684.9**	**669.3**	**638.6**	**649.9**									**649.9**	**657.5**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.9	12.6											25.5	26.9
CARPET CLASS WOOL	1.4	1.5											2.9	1.6
TOTAL RAW WOOL	14.3	14.1											28.4	28.5
RAW COTTON	300.0	311.4	337.2	279.3									1227.9	1227.3

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.